

## AMENDMENTS TO THE CLAIMS

This listing will replace all prior versions and listings of claims in this Application.

### Listing of Claims

1-6 (Withdrawn)

7. (Currently amended) A method of treatment of sexual dysfunction comprising administering to a subject having a sexual dysfunction an agent capable of selectively modulating an  $IK_{Ca}$  channel activity in the sexual genitalia, wherein said agent is optionally admixed with a pharmaceutically acceptable carrier, diluent or excipient.

8. (Original) A method according to claim 7 wherein the modulation of the  $IK_{Ca}$  channel activity is capable of mediating a relaxation of the corpus cavernosal smooth muscle tone.

9. (Cancelled)

10. (Currently amended) A method according to claim ~~9 wherein the SD is a male SD (MSD) or a female SD (FSD)~~ 7 or 8 wherein the subject has female or male sexual dysfunction.

11. (Currently amended) A method according to claim ~~10 wherein the SD is an erectile dysfunction~~ 7 or 8 wherein the subject has erectile dysfunction.

12. (Currently amended) A method according to claim ~~9~~ 7 or 8 wherein the SD sexual dysfunction is a male erectile dysfunction (ED).

13. (Currently amended) A method according to claim 7 or 8 wherein the ~~composition comprises~~ agent is admixed with a pharmaceutically acceptable carrier, diluent or excipient.

14-31 (Withdrawn)